



# SABIC<sup>®</sup> FORTIFY<sup>™</sup> C30070D

POLYOLEFIN ELASTOMER

## DESCRIPTION

SABIC<sup>®</sup> FORTIFY<sup>™</sup> C30070D is an ethylene octene copolymer produced by solution polymerization using metallocene catalyst. This product is available as free flowing pellets.

SABIC<sup>®</sup> FORTIFY<sup>™</sup> C30070D is designed as a high performance copolymer modifier to provide superior toughness, softness and optical properties. It also provides excellent flow properties.

## TYPICAL APPLICATIONS

Impact modifier in thermoplastic olefin compounds, footwear midsoles and wire and cable extrusion.

## TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Density	868	kg/m <sup>3</sup>	ASTM D792
<b>Melt Flow Rate</b>			
at 190°C and 2.16 kg	30.0	g/10 min	ASTM D1238
at 230°C and 2.16 kg	70.0	g/10 min	ASTM D1238
Mooney viscosity (ML 1+4, 121 °C)	2	MU	ASTM D1646
<b>MECHANICAL PROPERTIES <sup>(1)</sup></b>			
<b>Tensile Properties</b>			
strength at break	3.1	MPa	ASTM D638
elongation	>1000	%	ASTM D638
1% secant modulus	10.8	MPa	ASTM D638
100% modulus	1.7	MPa	ASTM D638
<b>Durometer Hardness</b>			
shore A (1 second)	68	-	ASTM D2240
shore D (1 second)	17	-	ASTM D2240
Flexural Modulus (1% Secant)	10.8	MPa	ASTM D790 A
Tear Strength (Type C)	29.4	kN/m	ASTM D624
<b>THERMAL PROPERTIES</b>			
Peak Melting Temperature	62	°C	SABIC method
Glass Transition Temperature, Tg	-52	°C	SABIC method